

09/914,907

NOV 14 2001 11:30:17

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
22 November 2001 (22.11.2001)

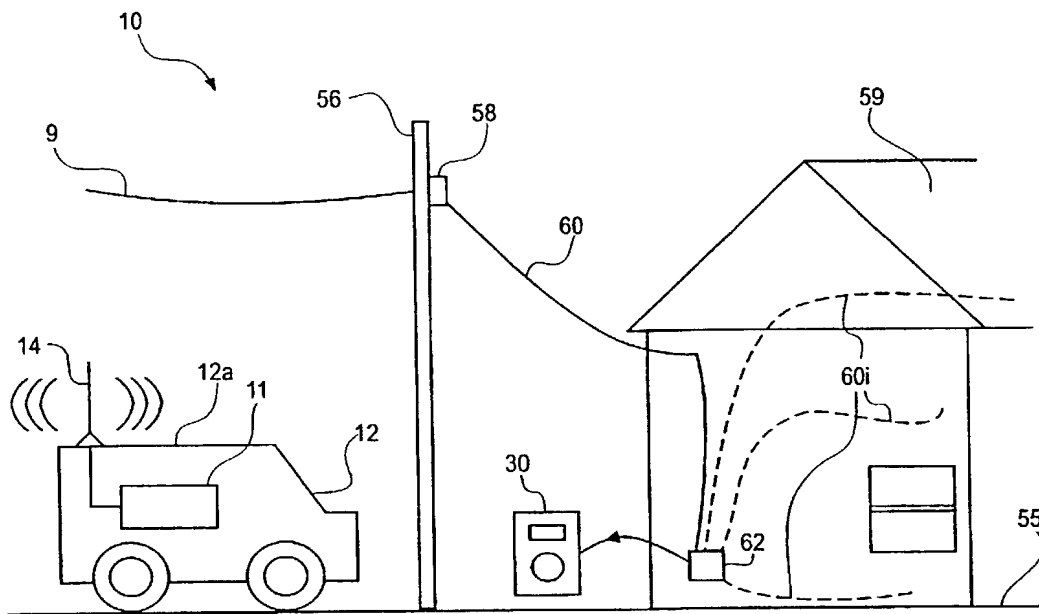
PCT

(10) International Publication Number
WO 01/89197 A3

- (51) International Patent Classification⁷: **H04N 7/173** (74) Agents: GURFINKEL, Daniel, M. et al.: Welsh & Katz, Ltd., 22nd Floor, 120 South Riverside Plaza, Chicago, IL 60606 (US).
- (21) International Application Number: PCT/US01/15815
- (22) International Filing Date: 16 May 2001 (16.05.2001) (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/204,584 16 May 2000 (16.05.2000) US
- (71) Applicant (*for all designated States except US*): COM-SONICS, INC. [US/US]; 1350 Port Republic Road, Harrisonburg, VA 22801 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): ZIMMERMANN, Dennis, A. [US/US]; 1852 Airport Road, Bridgewater, VA 22812 (US).
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: DEVICE AND METHOD OF DETERMINING LOCATION OF SIGNAL INGRESS



(57) Abstract: The present invention comprises a device which may be attached to a cable ground block (62) such that the level and type for signal emitted through the upstream flow of the signal, from a residence or business (59), may be determined along with the location of the source of ingress of any such signals. The invention, further includes a device (10) to transmit a signal of predetermined frequency towards a residence, such the source of errant signal ingress may be determined. Further, a method of causing the transmission of the signal at a predetermined time, measurement of the signal and determination of the source of the ingress of the signal is provided.

WO 01/89197 A3

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette